Weight g (1 pce)



ZS4-SP-T2-R1 Screw Clamp Terminal Block

Disconnect



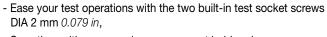
Pack^(ing)



4 mm² *10 AWG*

6 mm *0.236 in* Spacing

Features and Benefits



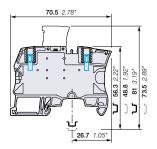
- Save time with our screwless component holder plug,

EAN Code

- Simplify the distribution between feed-through and disconnect circuits thanks to the two aligned jumper channels.



Ordering Details



3D CAD outline drawings available on "Control Product 3D" portal

De Order Code EAN

Grey	□ ZS4-SP-T2-R1	1SNK 506	314 R0000	3472595063	3147	50	14.20
Declarations and	Certificates		Docu	ment Part I	Number		
C€ ○E	UE Directive		1SND	225 099 C10	001		
RoHS RoHS	RoHS		1SND	230 491 F02	03		
General Information				inal black stack			
Protection	must be strictly adhered	IP 20	NEMA 1	inal block elect	rical, mechanic	al and er	nvironmental performance.
	2.6						
Rail	<u> </u>	DIN3-TH35					
Wire stripping length	+	10.5 mm	0.413 in				
		Screw clamp		Screw rail contact (Maximum value)			
		Flat screw	driver				
Operating tool	\oslash	3.5 mm	0.138 in				
Torque		0.6 Nm ± 0.1 Nm	5.31 lb.in ± 0.885 lb.in	± 0.1 Nm	± 0.885 lb	in	
Mechanical endurance							



Material Specifications						
Insulating material				Polyamide		
IRC				600 V		
Flammability	V0					
			NF F 16 101	12F2		
		Needle flame test IE	C 60695-11-5	Compliant		
Connecting capacity per cla	mp					
1 Rigid conductor			0.2-4 mm ²		2	4-10 AWG
Flexible conductor without ferrule			0.22-4 mm ²			4-10 AWG
Flexible conductor without terrule Flexible conductor with ferrule			0.22-4 mm ²			4-12 AWG
						7 7271176
Ferrule maximum outer diameter		Ø Max.	5.5 mm	0.216 in		
Multi Connecting capacity p	er clamp					
2 Rigid conductors	or olding		0.2-1 mm ²		2	4-18 AWG
2 Flexible conductors without ferr	rule		0.22-1 mm ²			4-18 AWG
2 Flexible conductors with twin fe			0.22-1 mm	2		4-16 AWG 4-16 AWG
Don't mix solid and flexible cond		e same clamn	J.22 1.0 IIIII			, 10 AVI
Don't mix solid or flexible condu		•	clamp			
				20.0		
The "Connecting capacity with fe	rrule " data i	s guaranteed with ABB	crimping tool I	1 5-3		
Cross section						
Rated cross section			4 mm²		1	0 AWG
Maximum Cross section		Manufacturer data	4 mm²	Manufacturer data	1	0 AWG
C	2 / 2 /					
Gaude A3-B3	o / o mm /	0.118 in / IEC 60947-	7-1			
	3 / 3 mm /	0.118 in / IEC 60947-	7-1			
	5 / 3 mm /	0.118 in / IEC 60947-	7-1			
Electrical characteristics	5 / 3 mm /	0.118 in / IEC 60947-	7-1			
Electrical characteristics Current	5 / 3 mm /	0.118 in / IEC 60947-	7-1	IEC 60947-7-1	20 A	
Electrical characteristics Current		factory wiring Cat.2	7-1	IEC 60947-7-1 UL 1059	20 A 20 A	
Electrical characteristics Current	Field and		7-1			
Electrical characteristics Current	Field and	factory wiring Cat.2	7-1	UL 1059	20 A	
Electrical characteristics Current Rated current	Field and Factory w	factory wiring Cat.2	7-1	UL 1059 UL 1059	20 A	
Electrical characteristics Current Rated current Rated short-time withstand currer	Field and Factory w	factory wiring Cat.2	7-1	UL 1059 UL 1059	20 A 20 A	
Electrical characteristics Current Rated current Rated short-time withstand currer	Field and Factory w	factory wiring Cat.2	7-1	UL 1059 UL 1059 CSA-C-22.2 n° 158	20 A 20 A	
Electrical characteristics Current Rated current Rated short-time withstand currer	Field and Factory w nt 1 s (Icw) 0.5 s	factory wiring Cat.2	7-1	UL 1059 UL 1059 CSA-C-22.2 n° 158 Manufacturer data	20 A 20 A	
Electrical characteristics Current Rated current Rated short-time withstand currer	Field and Factory w 1 s (lcw) 0.5 s 5 s	factory wiring Cat.2	7-1	UL 1059 UL 1059 CSA-C-22.2 n° 158 Manufacturer data Manufacturer data	20 A 20 A	
Electrical characteristics Current Rated current Rated short-time withstand currer	Field and Factory w nt 1 s (lcw) 0.5 s 5 s 10 s	factory wiring Cat.2	7-1	UL 1059 UL 1059 CSA-C-22.2 n° 158 Manufacturer data Manufacturer data Manufacturer data	20 A 20 A	
Electrical characteristics Current Rated current Rated short-time withstand current Short-time withstand current	Field and Factory w 1 s (lcw) 0.5 s 5 s 10 s 30 s	factory wiring Cat.2	7-1	UL 1059 UL 1059 CSA-C-22.2 n° 158 Manufacturer data Manufacturer data Manufacturer data Manufacturer data	20 A 20 A	
Electrical characteristics Current Rated current Rated short-time withstand current Short-time withstand current	Field and Factory w 1 s (lcw) 0.5 s 5 s 10 s 30 s 1 mn	factory wiring Cat.2 viring Cat.1	7-1	UL 1059 UL 1059 CSA-C-22.2 n° 158 Manufacturer data Manufacturer data Manufacturer data Manufacturer data Manufacturer data Manufacturer data	20 A 20 A	4 mm
Electrical characteristics Current Rated current Rated short-time withstand currer Short-time withstand current Rated short circuit withstand Max. current (45° temperature inc	Field and Factory w ont 1 s (Icw) 0.5 s 5 s 10 s 30 s 1 mn	factory wiring Cat.2 viring Cat.1	7-1	UL 1059 UL 1059 UL 1059 CSA-C-22.2 n° 158 Manufacturer data Manufacturer data Manufacturer data Manufacturer data Manufacturer data CSA-C-22.2 n° 158	20 A 20 A 480 A	4 mm
Electrical characteristics Current Rated current Rated short-time withstand currer Short-time withstand current Rated short circuit withstand Max. current (45° temperature inc Maximum short circuit current (1s	Field and Factory w 1 s (Icw) 0.5 s 5 s 10 s 30 s 1 mn Prease) / Max	factory wiring Cat.2 viring Cat.1		UL 1059 UL 1059 UL 1059 CSA-C-22.2 n° 158 Manufacturer data Manufacturer data Manufacturer data Manufacturer data Manufacturer data CSA-C-22.2 n° 158 Manufacturer data	20 A 20 A 480 A 20 A 480 A	
Electrical characteristics Current Rated current Rated short-time withstand currer Short-time withstand current Rated short circuit withstand Max. current (45° temperature inc Maximum short circuit current (1s Short Circuit Current Rating	Field and Factory w 1 s (Icw) 0.5 s 5 s 10 s 30 s 1 mn Frease) / Max S (SCCR) SA	factory wiring Cat.2 viring Cat.1		UL 1059 UL 1059 UL 1059 CSA-C-22.2 n° 158 Manufacturer data Manufacturer data Manufacturer data Manufacturer data Manufacturer data CSA-C-22.2 n° 158 Manufacturer data	20 A 20 A 480 A 20 A 480 A	4 mm
Electrical characteristics Current Rated current Rated short-time withstand currer Short-time withstand current Rated short circuit withstand Max. current (45° temperature inc Maximum short circuit current (1s Short Circuit Current Rating	Field and Factory w 1 s (Icw) 0.5 s 5 s 10 s 30 s 1 mn 2 rease) / Max 3 (SCCR) SA	factory wiring Cat.2 viring Cat.1 c. cross section (mm²)		UL 1059 UL 1059 UL 1059 CSA-C-22.2 n° 158 Manufacturer data Manufacturer data Manufacturer data Manufacturer data Manufacturer data CSA-C-22.2 n° 158 Manufacturer data	20 A 20 A 480 A 20 A 480 A	
Electrical characteristics Current Rated current Rated short-time withstand currer Short-time withstand current Rated short circuit withstand Max. current (45° temperature inc Maximum short circuit current (1s Short Circuit Current Rating	Field and Factory w 1 s (Icw) 0.5 s 5 s 10 s 30 s 1 mn Frease) / Max (SCCR) SA	factory wiring Cat.2 viring Cat.1 c. cross section (mm²) A UL 1059 supplement voltage		UL 1059 UL 1059 UL 1059 CSA-C-22.2 n° 158 Manufacturer data Manufacturer data Manufacturer data Manufacturer data Manufacturer data CSA-C-22.2 n° 158 Manufacturer data	20 A 20 A 480 A 20 A 480 A	
Electrical characteristics Current Rated current Rated short-time withstand currer Short-time withstand current Rated short circuit withstand Max. current (45° temperature inc Maximum short circuit current (1s Short Circuit Current Rating	Field and Factory w Int 1 s (Icw) 0.5 s 5 s 10 s 30 s 1 mn Irrease) / Max (SCCR) SA Maximum Suitable of	factory wiring Cat.2 viring Cat.1 c. cross section (mm²) A UL 1059 supplement voltage conductor wire range		UL 1059 UL 1059 UL 1059 CSA-C-22.2 n° 158 Manufacturer data Manufacturer data Manufacturer data Manufacturer data Manufacturer data CSA-C-22.2 n° 158 Manufacturer data	20 A 20 A 480 A 20 A 480 A	
Electrical characteristics Current Rated current Rated short-time withstand currer Short-time withstand current Rated short circuit withstand Max. current (45° temperature inc Maximum short circuit current (1s Short Circuit Current Rating	Field and Factory w 1 s (Icw) 0.5 s 5 s 10 s 30 s 1 mn Frease) / Max (SCCR) SA Maximum Suitable of Fuse ratir	factory wiring Cat.2 viring Cat.1 c. cross section (mm²) A UL 1059 supplement voltage conductor wire rangeng		UL 1059 UL 1059 UL 1059 CSA-C-22.2 n° 158 Manufacturer data Manufacturer data Manufacturer data Manufacturer data Manufacturer data CSA-C-22.2 n° 158 Manufacturer data	20 A 20 A 480 A 20 A 480 A	
Electrical characteristics Current Rated current Rated short-time withstand currer Short-time withstand current Rated short circuit withstand Max. current (45° temperature inc Maximum short circuit current (1s Short Circuit Current Rating	Field and Factory w 1 s (Icw) 0.5 s 5 s 10 s 30 s 1 mn Crease) / Max (SCCR) SA Maximum Suitable of Fuse ratir Fuse desi	factory wiring Cat.2 viring Cat.1 c. cross section (mm²) A UL 1059 suppleme n voltage conductor wire range ng ignation		UL 1059 UL 1059 UL 1059 CSA-C-22.2 n° 158 Manufacturer data Manufacturer data Manufacturer data Manufacturer data Manufacturer data CSA-C-22.2 n° 158 Manufacturer data	20 A 20 A 480 A 20 A 480 A	
Electrical characteristics Current Rated current Rated short-time withstand currer Short-time withstand current	Field and Factory w 1 s (Icw) 0.5 s 5 s 10 s 30 s 1 mn Crease) / Max (SCCR) SA Maximum Suitable of Fuse ratir Fuse desi	factory wiring Cat.2 viring Cat.1 c. cross section (mm²) A UL 1059 supplement voltage conductor wire rangeing ignation nufacturer name		UL 1059 UL 1059 UL 1059 CSA-C-22.2 n° 158 Manufacturer data Manufacturer data Manufacturer data Manufacturer data Manufacturer data CSA-C-22.2 n° 158 Manufacturer data	20 A 20 A 480 A 20 A 480 A	



Voltage					
Rated voltage IEC 60947-1					400 V
Rated voltage			150 V		
Use Group			С		
Rated voltage			CSA-C-	22.2 n° 158	150 V
Rated voltage Ex e			IEC/E	N 60079-11	
Rated impulse withstand voltage					6000 V
Dielectric test voltage					1890 V
Pollution degree			II	EC 60947-1	3
Overvoltage category				EC 60947-1	III
Dissipated power					
Maximum dissipated power at rated current IEC					
Rated power dissipation at an a	ambient tempei	rature of 23 °C - IE	EC 60947-7-3		
Overload and short-circ Separate	uit protection arrangement				
Exclusive short-circ Separate	uit protection arrangement	<u>ا </u> 1 fuse and 4			
Overload and short-circuit protection Compound arrangement					
Exclusive short-circuit protection Compound arrangement		<u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>	통[통]통] use blocks		
Temperature range					
Ambient temperature min/max	Storage		-55 +110 °C	-67	′ +230 F
	Installing		-5 +40 °C	-23	+104 F
	Service	IEC 60068-2-1	-55 +110 °C	-67	′ +230 F
		EN 60079-7			
		EN 60079-7			

Current Derating curve for continuous service temperature



Environmental Characte	ristics			
Additional climatic tests				
Dry heat		IEC 60068-2-2	Compliant	
	Conditions	Temperature	+100 °C	
		Duration of test	96 h	
Cyclic damp heat		IEC 60068-2-30	Complia	nt
	Conditions	Temperature	+55 °C	
		Number of cycles	2	
Cold		IEC 60068-2-1	Complia	nt
	Conditions	Temperature		
		Duration of test		
Z /ABDM climatic sequence		IEC 60068-2-61	Compliant	
	Conditions	Dry heat Duration of test / Temperature	16 h	+85 °C
		Cyclic damp heat Number of cycles / Temperature	1	+55 °C
		Cold Duration of test / Temperature	2 h	-25 °C
Corrosion				
Salt mist		IEC 60068-2-11	Complia	nt
	Conditions	Duration of test	<u> </u>	
		Concentration	5 %	
SO2		ISO 6988	Compliant	
	Conditions	Duration of test	48 h	
		Concentration		
Sulfur dioxide		IEC 60068-2-42		
	Conditions	Duration of test		
Hydrogen sulfur		IEC 60068-2-43		
, ,	Conditions	Duration of test	[
Flowing mixed gas corrosion	test	IEC 60068-2-60		
	Conditions	Number of the test method		
		Duration of test		
Vibrations			·	
Vibrations		IEC 60068-2-6	Complia	nt
	Conditions	Frequency range	10-55 Hz	
		Number of cycles	10	
		Amplitude		
		Acceleration	10 m/s ²	
Ramdom vibrations and clim	atic sequence	IEC 60068-2-64		
	Conditions	Duration of test		
		Frequency range		
		Acceleration		
		Climatic cycles		
		Step 1 -> Temperature / Duration of test		
		Step 2 -> Temperature / Duration of test		
		Temperature variation per minute		



ZS	ZS4-SP-T2-R1 Terminal Block Accessories Compatibility							
	Description	Туре	Order Code	Pack ^(ing)	Weight	Technical Datasheet		
				pieces	g (1 pce)	PDF		
1	End Stops	ВАМ3	1SNK 900 001 R0000	50	13.80	1SNK 160 026 D0201		
2	Jumper Bars	JB6-2	1SNK 906 302 R0000	50	1.30	1SNK 160 029 D0201		
		JB6-3	1SNK 906 303 R0000	50	2.10	1SNK 160 029 D0201		
		JB6-4	1SNK 906 304 R0000	50	2.90	1SNK 160 029 D0201		
		JB6-5	1SNK 906 305 R0000	50	3.60	1SNK 160 029 D0201		
		JB6-10	1SNK 906 310 R0000	20	7.40	1SNK 160 029 D0201		
3	Test Adapters	TP2	1SNK 900 203 R0000	20	1.73	1SNK 160 036 D0201		
		TP4	1SNK 900 205 R0000	20	2.42	1SNK 160 036 D0201		
4	Test Connectors	TC5-R1	1SNK 900 201 R0000	10	5.23	1SNK 160 042 D0201		
5	Spacers	ES-TC6	1SNK 900 105 R0000	10	0.80	1SNK 160 042 D0201		
6	Component Plugs	PG5	1SNK 900 401 R0000	20	3.45	1SNK 160 038 D0201		
7_	Disconnect Plugs	PG5-R1	1SNK 900 402 R0000	20	3.45	1SNK 160 037 D0201		
8	Test Plugs	FC2.MC	1SNA 107 239 R0300	10	1.00	1SNK 160 036 D0201		
9	Tools	PS-3	1SNK 900 650 R0000	1	380.00	1SNK 160 024 D0201		
10	Terminal Block Markers	MC612	1SNK 150 000 R0000	22	0.06	1SNK 160 006 D0201		
		PROCAP6	1SNK 900 612 R0000	20	0.79	1SNK 160 013 D0201		
		UMH	1SNK 900 611 R0000	10	0.20	1SNK 160 001 D0201		
		SAT6	1SNK 900 615 R0000	5	6.00	1SNK 160 013 D0201		

